ABSTRACT

An audio generation system includes a performance manager, which is an audio source manager, and an audio rendition manager to produce a rendition corresponding to an audio source. An application program provides the audio source manager and the audio rendition manager. The audio source manager receives audio content from an audio source, provides one or more audio content components that generate event instructions from the received audio content, and processes the event instructions to produce audio instructions that are provided to the audio rendition manager. The audio rendition manager provides processing components to process the audio instructions, including a synthesizer component that receives the audio instructions and generates audio sound wave data, and audio buffers that process the audio sound wave data.